

ECAT Chemistry Chapter 15 Group IV-A and VI-A Elements

Sr	Questions	Answers Choice
1	Nitrogen is present in atmosphere	A. 21% B. 36% C. 89% D. 78%
2	Out of all the elements of group V-A, the highest ionization energy is possessed by	A. N B. P C. Sb D. Bi
3	SO ₂ is not absorbed in water directly to form H ₂ SO ₄ because:	A. The reaction does not go to completion B. the reaction is quite slow C. the reaction is exothermic D. SO ₂ is insoluble in water
4	Aqua Regia has ratio of conc. HCl and HNO ₃	A. 1 : 2 B. 1 : 3 C. 1 : 4 D. 2 : 3
5	What are non-metals?	A. Sb & Bi B. P & Bi C. N & P D. As & N
6	Group VI-A elements are called:	A. Halogens B. Electron deficient C. alkaline earth metal D. Chalcogens
7	Sulphuric acid is used	A. As fertilizers B. As dehydrating agent C. As oxidizing agent D. All above
8	Allotropic forms of sulphur are	A. Two B. Three C. Four D. Five
9	Which has sweetish taste?	A. N ₂ O B. NH ₃ C. Cl ₂ D. CO ₂
10	Which are metalloids?	A. Nitrogen and phosphorus B. Arsenic and phosphorus antimony C. Phosphorus and arsenic D. Antimony and bismuth
11	The most stable phosphorus allotrope is	A. White B. Red C. Black D. All
12	Colour of N ₂ O ₄ is	A. Raddish brown B. Yellow C. Colourless D. green
13	Specific gravity of HNO ₃ is	A. 1.35 B. 1.53 C. 1.39 D. 1.93
14	Formation of NO from N ₂ and O ₂ requires temp	A. 30°C B. 300°C C. 3000°C D. 30000°C
15	Among group V-A elements, the most electronegative element is	A. Sb B. N C. P D. Bi

		D. As
16	Which element of group IV-A does not use d — orbital?	A. N B. P C. As D. Sb
17	Which property is not present in non-metals:	A. Predominantly covalent B. Poor conductor C. High E.N. Value D. High electropositivity
18	Laughing gas is chemically	A. NO B. N_2O C. NO_2 D. N_2O_4
19	Allotropic forms of phosphorus are	A. three B. four C. five D. six
20	Among group V-A elements, the most electronegative element is:	A. Sb B. N C. P D. As